Please type a plus sign (+) inside this box———		U.	S. Patent a	PTO/SB/05 (03-01) Approved for use through 10/31/2002. OMB 0651-0032 and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are requ	ired to	respond	to a collecti	on of information unless it displays a valid OMB control number.
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UTILITY

Attorney Docket No. | 356972020512 First Inventor Seiichi NAKATANI

DATENT ADDITOATION									
PATENT APPLICATION TRANSMITTAL	Title	PRINTED CIRCUIT BOARD AND METHOD MANUFACTURING THE SAME							
(Only for new nonprovisional applications under 37 CFR 1.53(b))	Expre	ss Mail Label No.							
APPLICATION ELEMENTS ADDRESS TO: Commissioner for Patents Washington, DC 20231									
Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original, and a duplicate for fee processing)		7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)							
2. Applicant claims small entity status. See 37 CFR 1.27.	<u>.</u>	Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)							
3. X Specification [Total Pages 43] a. Computer Readable Form (CRF) (preferred arrangement set forth below) - Descriptive title of the invention b. Specification Sequence Listing on:									
 Cross Reference to Related Applications Statement Regarding Fed sponsored R & D Reference to sequence listing, a table, 		i. CD-ROM or CD-R (2 copies); or ii. paper							
or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention		ACCOMPANYING APPLICATIONS PARTS							
Brief Description of the Drawings (if filed) Detailed Description		Assignment Papers (cover sheet & document(s))							
- Claim(s) - Abstract of the Disclosure		10. 37 CFR 3.73(b) Statement Power of Attorney							
4. X Drawing(s) (35 U.S.C. 113) [Total Sheets	6 I	11. English Translation Document (if applicable)							
5. Oath or Declaration [Total Pages	3 1	12. X Information Disclosure Copies of IDS Statement (IDS)/PTO-1449 Citations							
a. Newly executed (original or copy)		13. X Preliminary Amendment							
b. X Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed)	4. X Return Receipt Postcard (MPEP 503) (Should be specifically itemized)								
i. DELETION OF INVENTOR(S) Signed statement attached deleting		15. Certified Copy of Priority Document(s) (if foreign priority is claimed)							
inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).		16. Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.							
		17. Other:							
6. X Application Data Sheet. See 37 CFR 1.76									
 If a CONTINUING APPLICATION, check appropriate box, and Data Sheet under 37 CFR 1.76: 	d supply the	requisite information below and in a preliminary amendment, or in an Application							
Continuation X Divisional Continuation									
	/igushi								
For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.									
19. CORRESPONDENCE ADDRESS									
X Customer Number or Bar Code Label	* 2	or Correspondence address below							
Name									
Address									
	ate	Zip Code							
Country	lephone	Fax							
Name (Print/Type) Barry E. Bretschneider Registration No. (Attorney/Agent) 28,055									
Signature Vell L		Date June 25, 2003							

PTO/SB/17 (01-03)

Approved for use through 04/30/2003. OMB 0651-0032

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			Complete if Known							
FEE TRANSMITTAL for FY 2003			Application Number Not Yet Assigned							
			Date		Concurrently Herewith					
				Inver	0 " 1:444.74					
Patent fees are subject to annual revision.			iner Na		Not Yet Assigned					
Applicant plains amell antity status. Con 27 CED 1 27										
Applicant claims small entity status. See 37 CFR 1.27			Art U			Not Yet Assigned				
TOTAL AMOUNT OF PAYMENT (\$) 750.00		Αποπ	ey Do	cket No						
METHOD OF PAYMENT (check all that apply)	!	FEE CALCULATION (continued)								
Check Credit Money Other None	3. ADDITIONAL FEES									
X Deposit Account		·								
Deposit 02 4050		e Entity		Entity	-					
Account Number 03-1952	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid				
Deposit Account Morrison & Foerster LLP	1051	130	2051	65	Surcharge - late filing fee or oath					
Name The Commissioner is hereby authorized to: (check all that apply)	1052	50	2052	25	Surcharge – late provisional filing fee or cov sheet.	er				
X Charge fee(s) indicated below X Credit any overpayments	1053	130	1053	130	Non-English specification	 				
X Charge any additional fee(s) during the pendency of this	1812	2,520	1812		For filing a request for ex parte reexamination	+-+				
application Charge fee(s) indicated below, except for the filing fee	1804	920*	1804	920*	Requesting publication of SIR prior to					
to the above-identified deposit account.	1805	1,840*	1805	1,840*	Examiner action Requesting publication of SIR after					
FEE CALCULATION	1251	110	2251	55	Examiner action Extension for reply within first month					
1. BASIC FILING FEE	1252	410	2252	205	Extension for reply within second month					
Large Entity Small Entity	1253	930	2253	465	Extension for reply within third month					
Fee Fee Fee Fee Fee Description Fee Paid	1254	1,450	2254	725	Extension for reply within fourth month					
1001 750 2001 375 Utility filing fee 750.00	1255	1,970	2255	985	Extension for reply within fifth month					
1002 330 2002 165 Design filing fee	1401	320	2401	160	Notice of Appeal					
1003 520 2003 260 Plant filing fee	1402	320	2402	160	Filing a brief in support of an appeal					
1004 750 2004 375 Reissue filing fee	1403	280	2403	140	Request for oral hearing					
1005 160 2005 80 Provisional filing fee	1451	1,510	1451	1,510 55	Petition to institute a public use proceeding	\vdash				
. SUBTOTAL (1) (\$) 750.00	1452 1453	110	2452 2453	650	Petition to revive - unavoidable Petition to revive - unintentional	\vdash				
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE	1501	1,300	2501		Utility issue fee (or reissue)	\vdash				
Extra Fee from	1502	470	2502		Design issue fee					
Total Claims 16 -20** = x = 0.00	1503	630	2503		Plant issue fee					
Independent 1 -3** = X = 0.00	1460	130	1460	130	Petitions to the Commissioner					
Claims Substituting Claims	1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	\vdash				
	1806	180	1806	180	Submission of Information Disclosure Stmt					
Large Entity Small Entity Fee Fee Fee Fee Fee Fee Description	8021	40	8021	40	Recording each patent assignment per	\vdash				
Code (\$) Code (\$) Pee Description 1202 18 2202 9 Claims in excess of 20					property (times number of properties) Filing a submission after final rejection	\vdash				
1202 18 2202 9 Claims in excess of 20 1201 84 2201 42 Independent claims in excess of 3	1809	750	2809	375	(37 CFR 1.129(a))					
1203 280 2203 140 Multiple dependent claim, if not paid	1810	750	2810	375	For each additional invention to be examined (37CFR 1.129(b))					
1204 84 2204 42 ** Reissue independent claims over original patent	1801	750	2801	375	Request for Continued Examination (RCE)					
over original patent 1205 18 2205 9 ** Reissue claims in excess of 20	1802	900	1802	900	Request for expedited examination of a design application					
and over original patent	Other	fee (spe	cify)		-					
SUBTOTAL (2) (\$) 0.00 **or number previously paid, if greater; For Reissues, see above	*Redu	*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 0.00								
SUBMITTED BY Complete (if applicable)										
Name (Print/Type) Barry & Bretschnerder	Telephone (703) 760-774	(703) 760-7743								
Signature / Sl/ dutar	Date June 25, 2003	3								